

CLAIMS

1. An organic electroluminescent device comprising  
a pair of electrodes, and  
5 at least two organic emitting layers held between  
the pair of electrodes,
  - (1) two organic emitting layers being arranged  
with an electron barrier layer interposed therebetween,
  - (2) the two organic emitting layers both  
10 comprising an electron-transporting emitting material.
2. The organic electroluminescent device according to  
claim 1, wherein the two organic emitting layers both have  
an electron mobility of  $10^{-6}$  cm<sup>2</sup>/V· sec or more.  
15
3. The organic electroluminescent device according to  
claim 1, wherein the electron barrier layer has an  
affinity level of at least 0.2 eV less than the affinity  
level of the organic emitting layer arranged on a cathode  
20 side relative to the electron barrier layer
4. The organic electroluminescent device according to  
claim 1, wherein a difference in ionization potential  
between the electron barrier layer and the organic  
emitting layer arranged on an anode side relative to the  
25 electron barrier layer is 0.2 eV or less.
5. The organic electroluminescent device according to  
claim 1, wherein a difference in ionization potential  
30 between the electron barrier layer and the organic

emitting layer arranged on a cathode side relative to the electron barrier layer is 0.2 eV or less.

6. The organic electroluminescent device according to  
5 claim 1, wherein the organic emitting layer arranged on an anode side relative to the electron barrier layer emits blue light.

7. The organic electroluminescent device according to  
10 claim 6, wherein the organic emitting layer arranged on a cathode side relative to the electron barrier layer emits yellow to red light.

8. The organic electroluminescent device according to  
15 claim 1, wherein the organic emitting layer arranged on an anode side relative to the electron barrier layer emits yellow to red light.

9. The organic electroluminescent device according to  
20 claim 8, wherein the organic emitting layer arranged on a cathode side relative to the electron barrier layer emits blue light.

10. The organic electroluminescent device according to  
25 claim 6 or 9, wherein the maximum wavelength of the blue light is 450 nm to 500 nm.

11. The organic electroluminescent device according to  
claim 7 or 8, wherein the maximum wavelength of the yellow  
30 to red light is 540 nm to 700 nm.

12. The organic electroluminescent device according to  
claim 1 that emits white light.

5 13. A display comprising the organic electroluminescent  
device of claim 1.